

Prüfungsaufgaben

Abschlussprüfung im Ausbildungsberuf
„Geomatiker/Geomatikerin“



Sommertermin 2021

Prüfungsbereich Geodatenpräsentation

Krankenhäuser und Kliniken in Sachsen-Anhalt

Name, Vorname:

Ausbildungsstätte:

Erstellungsfrist:

7 Stunden

Aufgabe:

siehe Aufgabenblatt

Hinweise:

Es ist ausschließlich der zur Verfügung gestellte Prüfungsrechner mit der darauf installierten Software zu verwenden. Während der Prüfungsleistung ist der Zugriff auf das Internet möglich.

Zusätzliche Prüfungsanforderungen:

Achten Sie darauf, dass innerhalb der Prüfung die Dokumentation für das Fachgespräch bzw. die Präsentation am nächsten Tag erstellt werden soll.

Aufgabenblatt

Name: _____

Krankenhäuser und Kliniken in Sachsen-Anhalt

Während der Corona-Pandemie wurde immer wieder über die Ausstattung und Auslastung von Krankenhäusern und Kliniken diskutiert. Um die Situation vor Ort besser einschätzen zu können, ist es wichtig zu wissen, welche Schwerpunkte die Kliniken haben, wie viele Betten vorhanden sind, wie stark die Bettenauslastung ist, aber auch für wie viele Einwohner ein Krankenhaus zuständig ist. Mit 33,9 Intensivbetten pro 100.000 Einwohnerinnen und Einwohner war Deutschland bereits vor dem Hochfahren der Kapazitäten wegen der Corona-Pandemie international gut aufgestellt. Das zeigt eine Auswertung des Statistischen Bundesamtes (Destatis).

Führen Sie als Grundlage für eine digitale Karte zum Thema Krankenhäuser und Kliniken folgende Aufgaben durch:

- 1) Erstellen Sie eine digitale Karte von Sachsen-Anhalt mit mindestens folgenden Inhalten:
 - Darstellung der Landkreise und kreisfreie Städte
 - Darstellung der Krankenhaus- und Klinikstandorte
 - Pop-up-Fenster zu den Krankenhäusern/Kliniken mit Name, Adresse und Bettenanzahl
- 2) Ermitteln Sie mit Hilfe von GIS-Analysen die Anzahl der Krankenhausbetten je 100.000 Einwohner für alle Landkreise und kreisfreien Städte.
In welchen Landkreisen herrscht ausgehend vom Bundesdurchschnitt eine „Unterversorgung“ und wo eine „Übersorgung“ mit Intensivbetten?
Stellen Sie Ihre Ergebnisse grafisch in der Karte dar. Wählen Sie eine geeignete Darstellung, um die Abweichungen vom Bundesdurchschnitt aufzuzeigen.
- 3) Ergänzen Sie die Karte um eine Darstellung, welche die aktuelle Auslastung der Intensivbetten (Anzahl freie und belegte Intensivbetten) je Landkreis/kreisfreie Stadt zeigt. Nutzen Sie dazu die aktuellen Daten des DIVI-Intensivregisters.
- 4) Erzeugen Sie aus der zuvor erstellten digitalen Karte einen Kartenausdruck als PDF im Format DIN A3, welcher die Inhalte aus den Aufgaben 1 bis 3 (außer Pop-up-Fenster) enthält.

Nutzen Sie für die Bearbeitung der Aufgaben folgende Datengrundlage:

- Adressen der Krankenhäuser und Kliniken in Sachsen-Anhalt
Quelle: *adressen_krankenhaus_lsa.xlsx*
- Digitale geführte Verwaltungsgrenzen mit Einwohnerzahlen auf Gemeindeebene
Quelle: https://www.lvermgeo.sachsen-anhalt.de/de/kostenfreie_geobasisdaten_lvermgeo.html#dvg
- Daten des DIVI-Intensivregisters zu den derzeitigen intensivmedizinischen Behandlungskapazitäten in Deutschland
Quelle: <https://www.divi.de/register/tagesreport> oder im Arbeitsverzeichnis
DIVI-Intensivregister_2021-04-20_12-15.csv

DisplayX	DisplayY	Name	Straße	Hausnummer	PLZ	Ort	Betten
11,39476312	52,52481931	Altmark Klinikum (Ernst-von-Bergma	22		39638	Gardelegen	218
11,15328994	52,85152007	Altmark Klinikum (Brunnenstraße	1		29410	Salzwedel	212
NULL	NULL	Gesundheitszentru Friedrich-Ludwig-J2			6749	Bitterfeld-Wolfen	407
11,97373168	51,75135904	Helios Klinik Köthe Hallesche Straße	29		6366	Köthen	248
NULL	NULL	HELIOS Klinik Zer Friedrich-Nauman	53		39261	Zerbst	160
11,97148436	51,20076453	Asklepios Klinik W Naumburger Straß	76		6667	Weißenfels	410
11,80422727	51,15157932	Carl-von-Basedow Humboldtstraße	31		6618	Naumburg	724
11,80951621	51,97119939	Klinikum Burgenla Lindenallee	1		6712	Zeitz	293
11,80422727	51,15157932	Klinikum Burgenla Humboldtstraße	31		6618	Naumburg	458
11,41279787	52,29110848	AMEOS Klinikum I Kiefholzstraße	27		39340	Haldensleben	219
11,41279787	52,29110848	AMEOS Klinikum I Kiefholzstraße	4		39340	Haldensleben	170
11,22722988	52,02635332	HELIOS Bördeklin Kreiskrankenhaus	4		39387	Oschersleben / O	184
12,23643281	51,82936075	Diakonissenkranki Gropiusallee	3		6846	Dessau-Roßlau	165
12,23643281	51,82936075	St. Joseph-Kranke Auenweg	36		6847	Dessau-Roßlau	152
12,23643281	51,82936075	Städtisches Klinik Auenweg	38		6847	Dessau-Roßlau	710
11,96867625	51,48259759	BG Klinikum Berg Merseburger Straß	165		6112	Halle	580
11,96867625	51,48259759	Diakoniekranke Mühlweg	7		6114	Halle	199
11,96867625	51,48259759	Krankenhaus Mart Röntgenstraße	1		6120	Halle	510
11,96867625	51,48259759	Krankenhaus St. EMauerstraße	5		6110	Halle	631
11,96867625	51,48259759	Universitätsklinikui Ernst-Grube-Straß	40		6120	Halle	982
11,04836717	51,89616176	AMEOS Klinikum I Gleimstraße	5		38820	Halberstadt	453
10,8022059	51,77088453	Diakonie-Krankenl Brockenstraße	1		38875	Elbingerode	100
10,78432755	51,83302748	Harzkllinikum Doro Steinbergstraße	1		38855	Wernigerode	32
11,14210684	51,79019841	Harzkllinikum Doro Dittfurter Weg	24		6484	Quedlinburg	394
10,78432755	51,83302748	Harzkllinikum Doro Ilsenburger Straße	15		38855	Wernigerode	349
11,24259934	51,72130468	Lungenklinik Balle Robert-Koch-Str.	26/27		6493	Ballenstedt	99
11,78236548	52,08412288	HELIOS Fachklinil Sophie-von-Boettc	1		39245	Vogelsang-Gomm	160
11,85061107	52,27247514	HELIOS Klinik Jeri August-Bebel-Stra	55a		39288	Burg	241
11,73970585	52,20924693	Lungenklinik Lose Lindenstraße	2		39291	Lostau	167
11,60810136	52,13277105	Klinik des Westen: Bertha-von-Suttne	05. Jul		39108	Magdeburg	10
11,60810136	52,13277105	Klinikum in den Pf. Pfeifferstraße	10		39114	Magdeburg	270
11,60810136	52,13277105	KLINIKUM MAGD Birkenallee	34		39130	Magdeburg	791
11,60810136	52,13277105	Krankenhaus St. M Harsdorfer Straße	30		39110	Magdeburg	169
11,60810136	52,13277105	Universitätsklinikui Leipziger Straße	44		39120	Magdeburg	1090
11,51154003	51,6454003	Helios Klinik Hetts Robert-Koch-Straß	8		6333	Hettstedt	272
11,54459078	51,52842844	Helios Klinik Luthe Hohetorstraße	25		6295	Lutherstadt Eisleb	247
11,29673691	51,4728938	HELIOS Klinik Sar Am Beinschuh	2a		6526	Sangerhausen	268

11,9986662	51,35544818	Carl-von-Basedow Weiße Mauer	52	6217	Merseburg	725
11,59664764	51,377439	Carl-von-Basedow Vor dem Nebraer	11	6268	Querfurt	725
11,45649165	51,75618872	AMEOS Klinikum , Eislebener Straße 7a		6449	Aschersleben	250
11,73603733	51,79417302	AMEOS Klinikum I Kustrener Straße 98		6406	Bernburg	245
11,5831667	52,72365357	AMEOS Klinikum : Köthener Str.	13	39218	Schönebeck	245
11,58531713	51,85601154	AMEOS Klinikum : Bodestr.	11	39418	Staßfurt	90
11,77487289	51,90360706	AWO Krankenhaus Hospitalstr.	5	39240	Calbe/Saale	108
11,75382888	52,88966302	AGAPLESION DIA Dr. Albert Steinert	1	39615	Seehausen/Altmar	112
11,85994791	52,6054734	Johanniter-Kranke Wendstraße	31	39576	Stendal	393
12,07832676	52,82676373	KMG Klinikum Havelberg	10	39539	Havelberg	80
12,45707843	51,88238562	MediClin Herzrent Lerchenfeld	1	6869	Coswig (Anhalt)	113
12,64366027	51,86673828	Paul Gerhardt Dial Paul-Gerhardt-Str	42-45	6886	Lutherstadt Witten	306

bundesland,gemeindeschluessel,anzahl_meldebereiche,faelle_covid_aktuell,faelle_covid_aktuell_in
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